1600 1642

16

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/844,861A **ENTERED** CRF Processing Dat : 11/2/2002

Edited by:

Verified by: (STIC staff)

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically:

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☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:

☐ Deleted extra, invalid, headings used by an applicant, specifically:

☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____.

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically:

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted ***ending*** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☐ Other:

***Examiner: The abov corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.**

3/1/95

1600

RAW SEQUENCE LISTING DATE: 11/07/2002
PATENT APPLICATION: US/09/844,861A TIME: 20:57:29

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\11072002\I844861A.raw

<110> APPLICANT: Padigaru, Muralidhara
Mishra, Vishnu
Spytek, Kimberly
Burgess, Catherine
Lepley, Denise
Grosse, William
Szekeres, Edward
Alsobrook, John
Gangolli, Esha
Casman, Stacie
MacDougall, John
Smithson, Glennda
<120> TITLE OF INVENTION: Novel Proteins and Nucleic Acids Encoding Same
<130> FILE REFERENCE: 15966-789 US
<140> CURRENT APPLICATION NUMBER: 09/844,861A
<141> CURRENT FILING DATE: 2001-04-27
<150> PRIOR APPLICATION NUMBER: 60/199,947
<151> PRIOR FILING DATE: 2000-04-27
<150> PRIOR APPLICATION NUMBER: 60/199,960
<151> PRIOR FILING DATE: 2000-04-27
<150> PRIOR APPLICATION NUMBER: 60/225,226
<151> PRIOR FILING DATE: 2000-08-14
<150> PRIOR APPLICATION NUMBER: 60/256,399
<151> PRIOR FILING DATE: 2000-12-18
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<150> PRIOR APPLICATION NUMBER: 60/258,511
<151> PRIOR FILING DATE: 2000-12-28
<150> PRIOR APPLICATION NUMBER: 60/258,828
<151> PRIOR FILING DATE: 2000-12-28
<150> PRIOR APPLICATION NUMBER: 60/259,659
<151> PRIOR FILING DATE: 2001-01-04
<150> PRIOR APPLICATION NUMBER: 60/275,604
<151> PRIOR FILING DATE: 2001-03-13
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<170> SOFTWARE: PatentIn Ver. 2.1
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PATENT APPLICATION: US/09/844,861A TIME: 20:57:29

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65 agcccttcta gggaacatca ttatcctgtt tgtgatacag actgaacaga gcctccacca 180
66 acccatgttt tacttcctag ccatgttggc cggcactgat ctgggcttgt ctacagcaac 240
67 catccccaag atgctgggaa ttttctggtt taatcttgga gagattgcat ttggtgcctg 300
68 catcacacag atgtatacca ttcatatatg cactggcctg gagtctgtgg tactgacagt 360
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74 gatcctccga gctgtcttcc atctcccagc ctgggatgcc cggcttaagg cactcagcac 720
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78 agagcaggta cttaggatac tcaaccctaa aagcttttgg cattttgacc ccaagaggat 960
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92 20 25 30
94 Phe Phe Ala Val Tyr Leu Thr Ala Leu Leu Gly Asn Ile Ile Ile Leu
95 35 40 45
97 Phe Val Ile Gln Thr Glu Gln Ser Leu His Gln Pro Met Phe Tyr Phe
98 50 55 60
100 Leu Ala Met Leu Ala Gly Thr Asp Leu Gly Leu Ser Thr Ala Thr Ile
101 65 70 75 80
103 Pro Lys Met Leu Gly Ile Phe Trp Phe Asn Leu Gly Glu Ile Ala Phe
104 85 90 95
106 Gly Ala Cys Ile Thr Gln Met Tyr Thr Ile His Ile Cys Thr Gly Leu
107 100 105 110
109 Glu Ser Val Val Leu Thr Val Thr Gly Ile Asp Arg Tyr Ile Ala Ile
110 115 120 125
112 Cys Asn Pro Leu Arg Tyr Ser Met Ile Leu Thr Asn Lys Val Ile Ala
113 130 135 140
115 Ile Leu Gly Ile Val Ile Ile Val Arg Thr Leu Val Phe Val Thr Pro
116 145 150 155 160
118 Phe Thr Phe Leu Thr Leu Arg Leu Pro Phe Cys Gly Val Arg Ile Ile
119 165 170 175
121 Pro His Thr Tyr Cys Glu His Met Gly Leu Ala Lys Leu Ala Cys Ala
122 180 185 190
124 Ser Ile Asn Val Ile Tyr Gly Leu Ile Ala Phe Ser Val Gly Tyr Ile
125 195 200 205
127 Asp Ile Ser Val Ile Gly Phe Ser Tyr Val Gln Ile Leu Arg Ala Val

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Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\11072002\I844861A.raw

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134                 245                 250                 255
136 Ser Phe Met Thr His Arg Phe Gly His Asn Ile Pro His Tyr Ile His
137             260                 265                 270
139 Ile Leu Leu Ala Asn Leu Tyr Val Val Phe Pro Pro Ala Leu Asn Ser
140         275                 280                 285
142 Val Ile Tyr Gly Val Lys Thr Lys Gln Ile Arg Glu Gln Val Leu Arg
143     290                 295                 300
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149                 325
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153 <211> LENGTH: 1121
154 <212> TYPE: DNA
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159 tgtcagccat catgtctggg gacaacagct ccagcctgac cccaggattc tttatcttga 120
160 atggcgttcc tgggctggaa gccacacaca tctggatctc cctgccattc tgctttatgt 180
161 acatcattgc tgtcgtgggg aactgtgggc tcatctgcct catcagccat gaggaggccc 240
162 tgcaccggcc catgtactac ttcctggccc tgctctcctt cactgatgtc accttgtgca 300
163 ccaccatggt acctaatatg ctgtgcatat tctggttcaa cctcaaggag attgacttta 360
164 acgcctgcct ggcccagatg ttttttgtcc atatgctgac agggatggag tctggggtgc 420
165 tcatgctcat ggccctggac cgctatgtgg ccatctgcta ccccttacgc tatgccacca 480
166 tccttaccaa ccctgtcatc gccaaggctg gtcttgccac cttcttgagg aatgtgatgc 540
167 tcatcatccc attcactctc ctcaccaagc gcctgcccta ttgccggggg aacttcatcc 600
168 cccacaccta ctgtgaccat atgtctgtgg ccaaggtatc ctgtggcaat ttcaaggtca 660
169 atgctattta tggtctgatg gttgctctcc tgattggtgt gtttgatatc tgctgtatct 720
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189              20                  25                  30
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PATENT APPLICATION: US/09/844,861A TIME: 20:57:29

Input Set : A:\PTO.AMC.txt
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194 Cys Phe Met Tyr Ile Ile Ala Val Val Gly Asn Cys Gly Leu Ile Cys
195      50                  55                  60
197 Leu Ile Ser His Glu Glu Ala Leu His Arg Pro Met Tyr Tyr Phe Leu
198  65                  70                  75                  80
200 Ala Leu Leu Ser Phe Thr Asp Val Thr Leu Cys Thr Thr Met Val Pro
201                  85                  90                  95
203 Asn Met Leu Cys Ile Phe Trp Phe Asn Leu Lys Glu Ile Asp Phe Asn
204              100                 105                 110
206 Ala Cys Leu Ala Gln Met Phe Phe Val His Met Leu Thr Gly Met Glu
207          115                 120                 125
209 Ser Gly Val Leu Met Leu Met Ala Leu Asp Arg Tyr Val Ala Ile Cys
210      130                 135                 140
212 Tyr Pro Leu Arg Tyr Ala Thr Ile Leu Thr Asn Pro Val Ile Ala Lys
213 145                 150                 155                 160
215 Ala Gly Leu Ala Thr Phe Leu Arg Asn Val Met Leu Ile Ile Pro Phe
216                 165                 170                 175
218 Thr Leu Leu Thr Lys Arg Leu Pro Tyr Cys Arg Gly Asn Phe Ile Pro
219              180                 185                 190
221 His Thr Tyr Cys Asp His Met Ser Val Ala Lys Val Ser Cys Gly Asn
222          195                 200                 205
224 Phe Lys Val Asn Ala Ile Tyr Gly Leu Met Val Ala Leu Leu Ile Gly
225      210                 215                 220
227 Val Phe Asp Ile Cys Cys Ile Ser Val Ser Tyr Thr Met Ile Leu Gln
228 225                 230                 235                 240
230 Ala Val Met Ser Leu Ser Ser Ala Asp Ala Arg His Lys Ala Phe Ser
231                 245                 250                 255
233 Thr Cys Thr Ser His Met Cys Ser Ile Val Ile Thr Tyr Val Ala Ala
234              260                 265                 270
236 Phe Phe Thr Phe Phe Thr His Arg Phe Val Gly His Asn Ile Pro Asn
237          275                 280                 285
239 His Ile His Ile Ile Val Ala Asn Leu Tyr Leu Leu Leu Pro Pro Thr
240      290                 295                 300
242 Met Asn Pro Ile Val Tyr Gly Val Lys Thr Lys Gln Ile Gln Glu Gly
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260 ttggaagatg tgcatttgtg gatctccttc ccactgtgta ccatgtacag cattgctatt 180
261 acagggaact tcggccttat gtacctcatc tactgtgatg aggccttaca cagacctatg 240
262 tatgtcttcc ttgcccttct ttccttcaca gatgtgctca tgtgcaccag cacccttccc 300
263 aacactctct tcatattgtg gtttaatctc aaggagattg attttaaagc ctgcctcgcc 360
264 cagatgttct ttgtgcacac cttcacaggg atggagtctg gggtgctcat gctcatggcc 420
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PATENT APPLICATION: US/09/844,861A TIME: 20:57:29

Input Set : A:\PTO.AMC.txt
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267 actttcctca ccaagcgcct tccatactgc aagggcaacg tcatacccca cacctactgt 600
268 gaccacatgt ctgtggccaa gatatcttgt ggtaatgtca gggttaacgc catctatggt 660
269 ttgatagttg ccctgctgat tgggggcttt gatatcctgt gcattacaat ctcctacact 720
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271 acctgcactg cccacttctg tgccatagtc ctcacctatg ttccagcctt ctttaccttc 840
272 tttacacacc attttggggg acacaccatt cctctacaca tacatattat tatggctaat 900
273 ctctacctac taatgcctcc cacaatgaac cctattgtgt atggggtgaa aaccaggcag 960
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281 <213> ORGANISM: Homo sapiens
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288 20 25 30
290 Leu Cys Thr Met Tyr Ser Ile Ala Ile Thr Gly Asn Phe Gly Leu Met
291 35 40 45
293 Tyr Leu Ile Tyr Cys Asp Glu Ala Leu His Arg Pro Met Tyr Val Phe
294 50 55 60
296 Leu Ala Leu Leu Ser Phe Thr Asp Val Leu Met Cys Thr Ser Thr Leu
297 65 70 75 80
299 Pro Asn Thr Leu Phe Ile Leu Trp Phe Asn Leu Lys Glu Ile Asp Phe
300 85 90 95
302 Lys Ala Cys Leu Ala Gln Met Phe Phe Val His Thr Phe Thr Gly Met
303 100 105 110
305 Glu Ser Gly Val Leu Met Leu Met Ala Leu Asp His Cys Val Ala Ile
306 115 120 125
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314 Ser Thr Phe Leu Thr Lys Arg Leu Pro Tyr Cys Lys Gly Asn Val Ile
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VERIFICATION SUMMARY DATE: 11/07/2002
PATENT APPLICATION: US/09/844,861A TIME: 20:57:30

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